Docket No. ORT-1510

Ser. No. 09/973,378

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4 (canceled)

Claim 5 (previously presented) A method for preparing a labeled resiniferatoxin derivative compound of Formula (V):

Formula (V)

wherein

R¹ is a substituent selected from the group consisting of hydrogen, C₁₋₄alkylcarbonyl and formyl; and,

 R^3 is C_{1-4} alkoxy;

comprising,

protecting the carboxylic acid of an intermediate compound of Formula (VI);

$$R^{1}$$
 O OH

Formula (VI)

wherein the hydroxyl group of the compound of Formula (VI) is esterified with C_{1-5} alkyl to form an esterified intermediate compound of Formula (VII);

Docket No. ORT-1510

Ser. No. 09/973,378

$$R^{1}$$
 O C_{1-5} alky

Formula (VII)

stannylating the compound of Formula (VII) to form a stannylated intermediate compound of Formula (VIII);

$$R^{1}$$
 O O C_{1-5} alkylong

Formula (VIII)

iodinating the compound of Formula (VIII) to form a labeled intermediate compound of Formula (IX);

$$R^{1}$$
 O $C_{1.5}$ alkyl $C_{1.5}$ or $C_{1.5}$

Formula (IX)

deprotecting the compound of Formula (IX) to form a labeled intermediate compound of Formula (X); and,

$$R^{1}-O$$
 R^{3}
 O
OH
 $(^{125}I \text{ or } ^{131}I)$

Formula (X)

coupling the labeled intermediate compound of Formula (X) with a resiniferonal orthophenylacetate alcohol compound of Formula (IV);

Docket No. ORT-1510 Ser. No. 09/973,378

to form the compound of Formula (V).

Claim 6 (previously presented) The method of claim 5 wherein C_{1-5} alkyl is selected from the group consisting of *i*-propyl, *i*-butyl and *t*-butyl.

Claim 7 (previously presented) The method of claim 6 wherein C_{1-5} alkyl is t-butyl, R^1 is acetyl and R^3 is methoxy.

Claims 8-19 (canceled)